

## Detailed Estimate

**OD/366/3514/120436/427679/00065536 : Improvement of Umurahandi AWC of Dabugam GP**  
**Block : Dabugam, Gram Panchayat : Dabugam**  
**Created By: Abinash Nayak**

<b>1. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring</b>								
Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room	1.000	6.600	3.600	0.000	0.000	23.760	-
ii	verandah	1.000	4.600	2.000	0.000	0.000	9.200	-
iii	Stock room	1.000	1.950	1.700	0.000	0.000	3.315	-
iv	Kitchen	1.000	1.700	1.700	0.000	0.000	2.890	-
v	Column	1.000	0.250	0.250	0.000	0.000	-	0.063
Total Quantity					39.1025 Sqm (Sqm)		39.1025 Sqm (Square Meter)	
Amount					39.1025 X 100.34838709677		3923.87	
<b>2. Dismantling (AR1621) : Removing old grading plaster from roof</b>								
Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room	1.000	7.260	4.160	0.000	0.000	30.202	-
ii	Verandah	1.000	4.930	2.200	0.000	0.000	10.846	-
iii	Stock room	1.000	2.510	1.900	0.000	0.000	4.769	-
iv	Kitchen	1.000	2.160	2.160	0.000	0.000	4.666	-
Total Quantity					50.4822 Sqm (Sqm)		50.4822 Sqm (Square Meter)	

Amount						50.4822 X 77.77	3926.00	
<b>3. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet Platform	1.000	4.300	3.000	0.200	0.000	2.580	-
ii	Wash basin platform	1.000	2.800	2.400	0.100	0.000	0.672	-
iii	Approach road	1.000	3.000	3.650	0.100	0.000	1.095	-
Total Quantity					4.347 cum (cum)		4.347 Cum (Cubic Meter)	
Amount						4.347 X 240.77592	1046.65	
<b>4. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet platform	1.000	4.300	3.000	0.100	0.000	1.290	-
ii	Wash basin platform(umurahandi-i)	1.000	2.800	2.400	0.100	0.000	0.672	-
iii	Approach road	1.000	3.000	3.650	0.100	0.000	1.095	-
Total Quantity					3.057 cum (cum)		3.057 Cum (Cubic Meter)	
Amount						3.057 X 662.866232	2026.38	
<b>5. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	Class room (tle base)	1.000	6.600	3.600	0.100	1.000	2.376	-
ii	Verandah	1.000	4.600	2.000	0.100	1.000	0.920	-
iii	Stockroom	1.000	1.950	1.700	0.100	1.000	0.332	-
iv	Kitchen	1.000	1.700	1.700	0.100	1.000	0.289	-
v	Toilet platform	1.000	4.300	3.000	0.200	1.000	2.580	-
vi	Wash basin platform	1.000	2.800	2.400	0.100	1.000	0.672	-
vii	Approach road (umurahandi-1)	1.000	3.000	3.650	0.100	1.000	1.095	-
Total Quantity					8.2635 cum (cum)		8.2635 Cum (Cubic Meter)	
Amount					8.2635 X 5459.1684023		45111.84	

#### 6. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet platform	1.000	4.300	3.000	0.075	0.000	0.968	-
ii	Wash basin	1.000	2.800	2.400	0.075	0.000	0.504	-
iii	Approach road( umurahandi-i)	1.000	3.000	3.650	0.075	0.000	0.821	-
Total Quantity					2.29275 cum (cum)		2.29275 Cum (Cubic Meter)	
Amount					2.29275 X 7131.9331091		16351.74	

#### 7. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wash basin(umurahandi-1) Pillar	3.000	0.350	0.350	1.050	0.000	0.386	-
ii	Basin side	1.000	0.600	0.300	0.150	0.000	0.027	-
iii	Basin side(length)	1.000	0.230	3.700	0.150	0.000	0.128	-
iv	Step(1st)	1.000	1.200	0.300	0.250	0.000	0.090	-
v	Step(2nd)	1.000	1.200	0.600	0.250	0.000	0.180	-
vi	Step(3rd)	1.000	1.200	0.900	0.250	0.000	0.270	-
Total Quantity					1.080525 cum (cum)		1.080525 Cum (Cubic Meter)	
Amount					1.080525 X 4983.07803024		5384.34	
<b>8. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory</b>								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room	1.000	6.600	3.600	0.000	0.000	23.760	-
ii	Verandah	1.000	4.600	2.000	0.000	0.000	9.200	-
iii	Stock room	1.000	1.950	1.700	0.000	0.000	3.315	-
iv	Kitchen	1.000	1.700	1.700	0.000	0.000	2.890	-
v	Toilet platform	1.000	4.300	3.000	0.000	0.000	12.900	-
Total Quantity					52.065 Sqm (Sqm)		52.065 Sqm (Square Meter)	
Amount					52.065 X 1004.560166361		52302.43	

**9. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)**

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Dados(room)	1.000	20.400	0.120	0.000	0.000	2.448	-	
ii	Dados(VERANDAH)	1.000	8.600	0.120	0.000	0.000	1.032	-	
iii	Dados(STOCKROOM)	1.000	7.300	0.120	0.000	0.000	0.876	-	
iv	Dados(kitchen)	1.000	6.800	0.120	0.000	0.000	0.816	-	
v	Deduction door	2.000	0.900	0.120	0.000	0.000	-	0.216	
vi	Door-2	2.000	1.200	0.120	0.000	0.000	-	0.288	
Total Quantity					4.668 Sqm (Sqm)		4.668 Sqm (Square Meter)		
Amount					4.668 X 1525.940747836		7123.09		

**10. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)**

Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room l/w	2.000	6.600	3.050	0.000	0.000	40.260	-
ii	S/w	2.000	3.600	3.050	0.000	0.000	21.960	-
iii	Verandah l/w	1.000	4.600	3.050	0.000	0.000	14.030	-
iv	S/W	2.000	2.000	3.050	0.000	0.000	12.200	-
v	Stock room l/w	2.000	1.950	3.050	0.000	0.000	11.895	-
vi	S/W	2.000	1.700	3.050	0.000	0.000	10.370	-
vii	Kitchen L/W	2.000	1.700	3.050	0.000	0.000	10.370	-

viii	S/W	2.000	1.700	3.050	0.000	0.000	10.370	-
ix	Class room ceiling	1.000	6.600	3.600	0.000	0.000	23.760	-
x	Verandah	1.000	4.600	2.000	0.000	0.000	9.200	-
xi	Stock room	1.000	1.950	1.700	0.000	0.000	3.315	-
xii	Kitchen	1.000	1.700	1.700	0.000	0.000	2.890	-
xiii	Door	2.000	0.900	2.100	0.000	0.000	-	3.780
xiv	Door-II	2.000	1.200	2.100	0.000	0.000	-	5.040
xv	Window	2.000	1.100	1.050	0.000	0.000	-	2.310
xvi	VERANDAH l/w	1.000	4.600	0.750	0.000	0.000	3.450	-
Total Quantity					162.94 Sqm (Sqm)		162.94 Sqm (Square Meter)	
Amount					162.94 X 71.83248932951		11704.39	
<b>11. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface )</b>								
Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room L/W	2.000	7.060	3.050	0.000	0.000	43.066	-
ii	S/W	2.000	4.060	3.050	0.000	0.000	24.766	-
iii	Stock room L/W	1.000	2.410	3.050	0.000	0.000	7.351	-
iv	S/W	2.000	2.160	3.050	0.000	0.000	13.176	-
v	Kitchen L/W	2.000	2.160	3.050	0.000	0.000	13.176	-
vi	S/W	1.000	2.160	3.050	0.000	0.000	6.588	-
vii	Verandah chajja	1.000	6.600	0.600	0.000	0.000	3.960	-

viii	Verandah wall(above lintel)	1.000	4.600	0.900	0.000	0.000	4.140	-	
ix	Door-I	1.000	0.900	2.100	0.000	0.000	-	1.890	
x	door-II	1.000	1.200	2.100	0.000	0.000	-	2.520	
xi	Window	2.000	1.100	1.050	0.000	0.000	-	2.310	
Total Quantity					109.5025 Sqm (Sqm)		109.5025 Sqm (Square Meter)		
Amount					109.5025 X 72.849606979355		7977.21		

**12. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc**

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Toilet Platform	2.000	4.300	0.175	0.000	0.000	1.505	-	
ii	Wash Basin Platform	2.000	2.800	0.175	0.000	0.000	0.980	-	
iii	Approach Road	2.000	3.000	0.175	0.000	0.000	1.050	-	
Total Quantity					3.535 Sqm (Sqm)		3.535 Sqm (Square Meter)		
Amount					3.535 X 216.23489289764		764.39		

**13. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips**

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaicon and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Clas room	1.000	7.260	4.160	0.000	0.000	30.202	-
ii	Verandah	1.000	4.930	2.200	0.000	0.000	10.846	-
iii	Stock room	1.000	2.510	1.900	0.000	0.000	4.769	-

iv	Kitchen	1.000	2.160	2.160	0.000	0.000	4.666	-
Total Quantity					50.4822 Sqm (Sqm)		50.4822 Sqm (Square Meter)	
Amount					50.4822 X 350.566256636		17697.36	
<b>14. Painting (AR0918Ai) : Finishing wall one coat with weather coat</b>								
Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room L/W	2.000	7.060	3.050	0.000	0.000	43.066	-
ii	S/W	2.000	4.060	3.050	0.000	0.000	24.766	-
iii	Stock room L/W	1.000	2.410	3.050	0.000	0.000	7.351	-
iv	S/W	2.000	2.160	3.050	0.000	0.000	13.176	-
v	Kitchen L/W	2.000	2.160	3.050	0.000	0.000	13.176	-
vi	S/W	1.000	2.160	3.050	0.000	0.000	6.588	-
vii	Verandah chajja	1.000	6.600	0.600	0.000	0.000	3.960	-
viii	Verandah wall(above lintel)	1.000	4.600	0.900	0.000	0.000	4.140	-
ix	Deduction Door	1.000	0.900	2.100	0.000	0.000	-	1.890
x	door-II	1.000	1.200	2.100	0.000	0.000	-	2.520
xi	Window	2.000	1.100	1.050	0.000	0.000	-	2.310
Total Quantity					109.5025 Sqm (Sqm)		109.5025 Sqm (Square Meter)	
Amount					109.5025 X 57.0910986525		6251.62	
<b>15. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)</b>								

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room l/w	2.000	6.600	3.050	0.000	0.000	40.260	-
ii	S/w	2.000	3.600	3.050	0.000	0.000	21.960	-
iii	Verandah l/w	1.000	4.600	3.050	0.000	0.000	14.030	-
iv	S/W	2.000	2.000	3.050	0.000	0.000	12.200	-
v	Stock room l/w	2.000	1.950	3.050	0.000	0.000	11.895	-
vi	S/W	2.000	1.700	3.050	0.000	0.000	10.370	-
vii	Kitchen L/W	2.000	1.700	3.050	0.000	0.000	10.370	-
viii	S/W	2.000	1.700	3.050	0.000	0.000	10.370	-
ix	Class room ceiling	1.000	6.600	3.600	0.000	0.000	23.760	-
x	Verandah	1.000	4.600	2.000	0.000	0.000	9.200	-
xi	Stock room	1.000	1.950	1.700	0.000	0.000	3.315	-
xii	Kitchen	1.000	1.700	1.700	0.000	0.000	2.890	-
xiii	Door	2.000	0.900	2.100	0.000	0.000	-	3.780
xiv	Door-II	2.000	1.200	2.100	0.000	0.000	-	5.040
xv	Window	2.000	1.100	1.050	0.000	0.000	-	2.310
xvi	vERANDAH L/w	1.000	4.600	0.750	0.000	0.000	3.450	-
Total Quantity					162.94 Sqm (Sqm)		162.94 Sqm (Square Meter)	
Amount					162.94 X 94.7526285875		15438.99	
Total Amount							197030.30	
Addition								

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	2000.00
Display Citizen Board (+) @	969.69
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>2969.69</b>
<b>Grand Net Total Amount</b>	<b>199999.99</b>

**Abinash Nayak**  
**JE**  
**Dabugam Block**

**Sanket Nayak**  
**AEE**  
**Dabugam Block**

**Sameer Kumar Patro**  
**BDO**  
**Dabugam Block**